

Product Highlights:

- Wide Input Range (100 ~ 250Vac)
- Easy migration to existing lighting control infrastructure, TRIAC and transistor dimmers
 - No visible flicker
 - Intelligent wall dimmer detection
 - Leading-edge dimmer, Trailing-edge dimmer, No-dimmer
 - Multiple dimming control scheme
 - Supports majority of available dimming solutions
 - Wide dimming range from 5% up to 100%
- Isolated output, "safe" voltage
- Built-in active PFC function > 0.9 without dimmer
- Protection: Short circuit / Over Load / Over Voltage / Over Temperature
- High Efficiency up to 85% (typ)
- 100% full load burn-in test
- Fully enclosed plastic case
- 2 year warranty

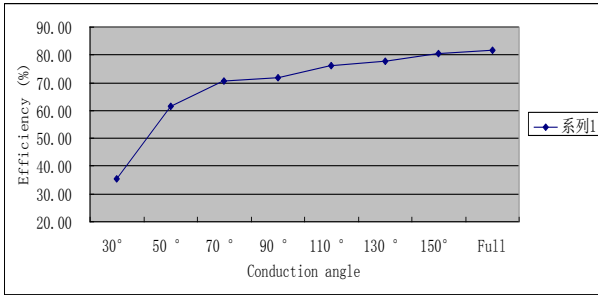

SPECIFICATION

MODEL		XEL-B015CA-1X2	XEL-B015CA-1X1	XEL-B015CA-1X0	XEL-B015CA-X85	XEL-B015CA-X65	XEL-B015CA-X42	
OUTPUT	DC VOLTAGE	9V	12V	15V	18V	24V	36V	
	RATED CURRENT	1.26A	1.25A	1.0A	0.7A	0.62A	0.42A	
	CURRENT RANGE	0~1.26A	0~1.05A	0~1.0A	0~0.83A	0~0.62A	0~0.42A	
	RATED POWER	11.3W	15.0W	15.0W	15.0W	15.0W	15.0W	
	RIPPLE & NOISE (max)	1Vp-p	1Vp-p	1Vp-p	1Vp-p	1Vp-p	1Vp-p	
	VOLTAGE ADJ. RANGE	4.5 ~ 9V	6~ 12V	7 ~ 15V	9~19V	14~ 24V	20~36V	
		Fixed output per customer request						
INPUT	VOLTAGE TOLERANCE	±5.0%	±5.0%	±4.0%	±3.0%	±3.0%	±3.0%	
	LINE REGULATION	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
	DIMMING RANGE	5%~ 100%	5%~ 100%	5%~ 100%	5%~ 100%	5%~ 100%	5%~ 100%	
	POWER FACTOR	≥0.90	≥0.90	≥0.90	≥0.90	≥0.90	≥0.90	
	SETUP, RISE TIME	1500ms, 100ms at full load						
	HOLD UP TIME (Typ.)	30ms/230VAC 16ms/115VAC at full load						
	VOLTAGE RANGE	100 ~ 130VAC or 200 ~ 250VAC						
	FREQUENCY RANGE	47 ~ 63Hz						
	EFFICIENCY (Typ.)	81%	81%	82%	82%	83%	83%	
	AC CURRENT	0.3A/115VAC 0.15A/230VAC						
ENVIRONMENT	INRUSH CURRENT (Typ.)	3A/120VAC 5A/240VAC						
	LEAKAGE CURRENT (max)	<1mA / 240VAC						
	WORKING TEMP.	0 ~ + 55°C (Refer to output load derating curve)						
	WORKING HUMIDITY	20% ~ 90% RH non-condensing						
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C , 10 ~ 95% RH						
	TEMP. COEFFICIENT	±0.03% /°C (0 ~ 4 °C)						
	VIBRATION	10 ~ 500Hz, 2G 3AXES 10min./1cycle, period for 60min. each along X, Y, Z axes						
SAFETY & EMC (Note. 7)	SAFETY STANDARDS	UL60950-1 Recognized, UL8750 recognized Class 2 Output. EN61347-2-13 electronic control gear for LED Modules						
	WITHSTAND VOLTAGE	I/P-O/P:4242VDC						
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms						
	EMI CONDUCTION & RADIATION	EN55015 Class A, FCC 47CFR Part 15 Class A						
	HARMONIC CURRENT	Compliance to EN61000-3-2 Class C (>70% load) ; EN61000-3-3						

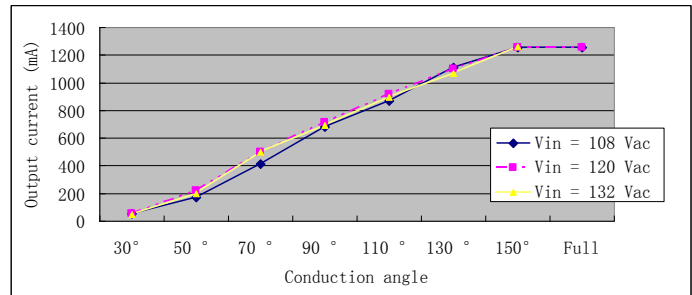
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN61547, EN55024, light industry level, criteria A
OTHERS	MTBF	50000 hrs min. MIL-HDBK-217F (25°C)
	DIMENSION	90*55.6*28.6mm (L*W*H)
	PACKING (Typ.)	0.14Kg;

Performance Data

Efficiency Curve



Measurement data of the dimming curve (1260mA max output)



Wiring Diagram



Mechanical Specification

